



# CERT Virtual Training Environment (VTE)

## Authoring Overview & Guidelines

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<https://www.vte.cert.org>



# Agenda

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- VTE Overview
- VTE Format
- VTE Capture Process
- Presenter Guidelines
- Contacts and Questions

# VTE Overview

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## Web-based resource for delivering training materials

- Online, on-demand from any web browser
- Recorded lecture and hands-on labs
- Formative, “low-stakes” assessments
- User forums
- Progress tracking

## Access is sponsored by DISA and DHS

- Anyone with a .mil or .gov email address can request access
- All other requests are verified for sponsorship

# VTE Format

## My VTE

Update your profile, access courses, print progress reports, and get help from instructors. The following functions are available:

### My Profile

Here you can update your name, email, and login. You can reset your password, and if change your location, you can update your time zone as well.

### My Courses

Here you can take courses in which you've been enrolled, get a summary of your course progress, contact instructors, and interact with other students in the same courses.

## About this Page

Welcome to MyVTE. From here you can manage your profile data, track your enrolled courses, and retrieve class completion data.

## User Actions

- My VTE
- My Profile
- My Courses
  - (ISC)2 (TM) CISSP (R) Prep Version 2
  - CCNA Security
  - Centaur and Trickler for Network Traffic Analysis
  - Cisco CCNA Survey
  - Cisco Network Security 1
  - Cisco Network Security 2
  - CompTIA Network+ Prep
  - CompTIA Network+ Prep (2009)
  - CompTIA Security+ Prep (SY0-101)
  - CompTIA Security+ Prep (SY0-201)
  - Creating a CSIRT
  - DISA HBSS 3.0
  - NIS& HRSS 3.0 - Manager

## Content Library

Category: 
 Keyword:  
 Updated with the last: 
 Rating:   
 Content Type:

\* Gray boxes allow you to filter the content in the library, tan boxes indicate an active filter

### Content Items

Type	Name	Updated	Rating	Launch
	Application Filtering and Network Access Controls	3/9/2007	☆☆☆	
	Auditing Wireless Networks	9/17/2007	☆☆☆	
	Cabling Local Area Networks (LANs)	11/4/2009	☆☆☆	
	Cabling Wide Area Networks (WANs)	11/4/2009	☆☆☆	
	CCNA - Network Testing	8/3/2007	☆☆☆	
	CCNA - Scaling Networks with NAT and PAT	8/3/2007	☆☆☆	
	CCNA - Wide Area Networks (WANs)	8/3/2007	☆☆☆	
	Cisco Network Admission Control and Secure Agent	5/24/2010	☆☆☆	
	CISSP Course DVD (Zip file)	8/29/2007	☆☆☆	
	CISSP V2 Course DVD (Zip file)	9/29/2009	☆☆☆	

1 2 3 4 5 6 7 8 9 10 ... >>

### Details

**Description:**  
This topic focuses on filtering and access controls above layer 4, with an emphasis on Squid and other proxies.

**Duration:**  
16 Minutes

**Direct Link:**  
[Right click to copy URL](#)

Launch

# VTE Player



**LECTURE: IPV4-IPV6 COMPARISON**  
Length: 3 slides (4 minutes)

Navigation | Details | Takeaways | Presenters

<a href="#">IPv4 / IPv6 Side-by-side -1</a>	[C]
<a href="#">IPv4 / IPv6 Side-by-side -2</a>	[NC]
<a href="#">IPv4 / IPv6 Side-by-side -3</a>	[NC]

Slide (Single) | Toggle Slide Navigation | Create Sticky Note | Print

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## IPv4 / IPv6 Side-by-side -1

IPv4	IPv6
32-bit address (dotted decimal) 4 x 8-bit boundaries	128-bit (colon-hexadecimal) 8 x 16-bit boundaries
576-byte minimum packet	1280-byte minimum packet
Optional IPSec	IPSec support required, Configured using IPSec Extension header
No identification of packet flow for QoS handling	Flow Label field added to IPv6 header to support QoS
Fragmentation performed by routers and/or sending host	Fragmentation can only occur at the sending host
ARP broadcasts	ICMPv6 Neighbor Solicitations messages (no broadcasts in IPv6)

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Video | Diagnostics



Time Remaining: 3 minutes 26 seconds

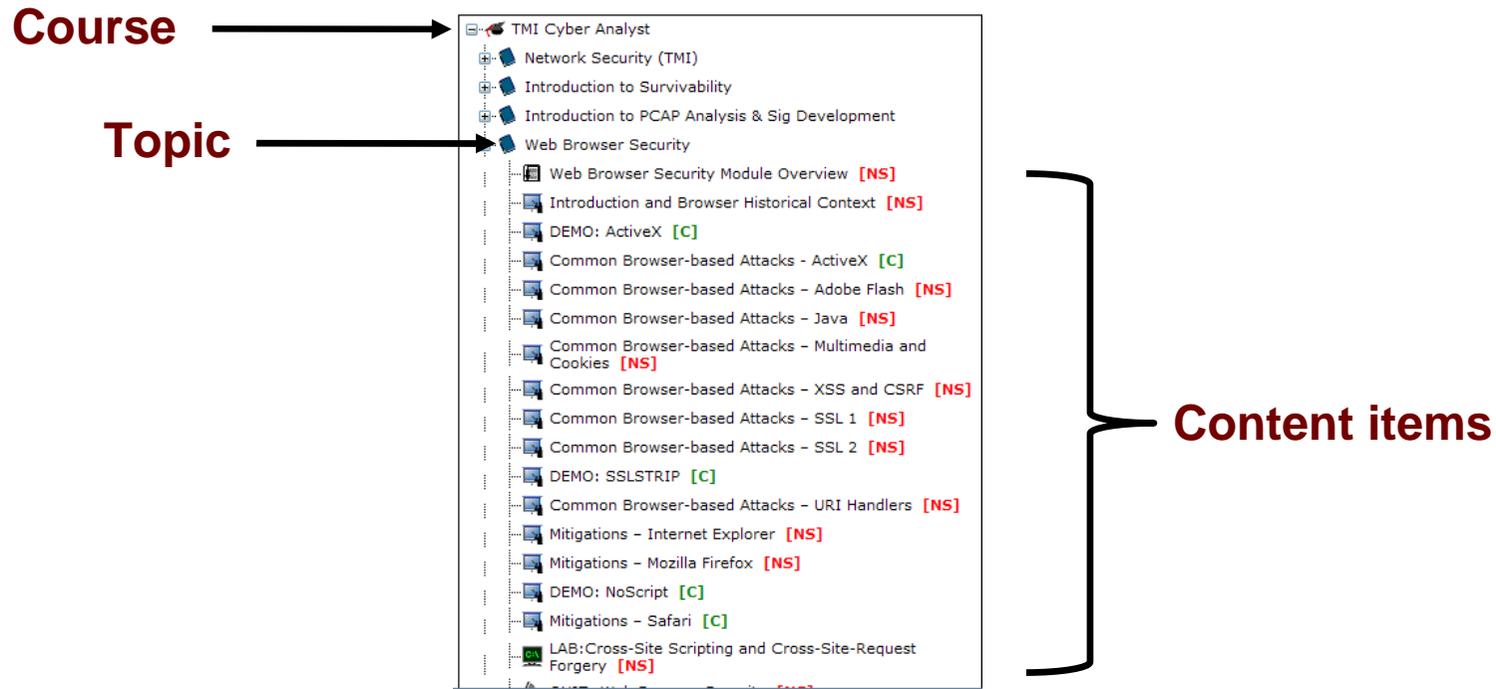
Transcript

side by side, this is sort of a summary of v4 versus v6, we have 128 bit versus a 32 bit address, we have a 576 minimum packet for IPv4, versus a 1280 byte minimum packet in IPv6, so depending on your communications protocol, your communication mechanism, it may not support it, or you may have to evaluate whether or not you're

Follow Speaker

# VTE Structure

Courses, topics, and content items

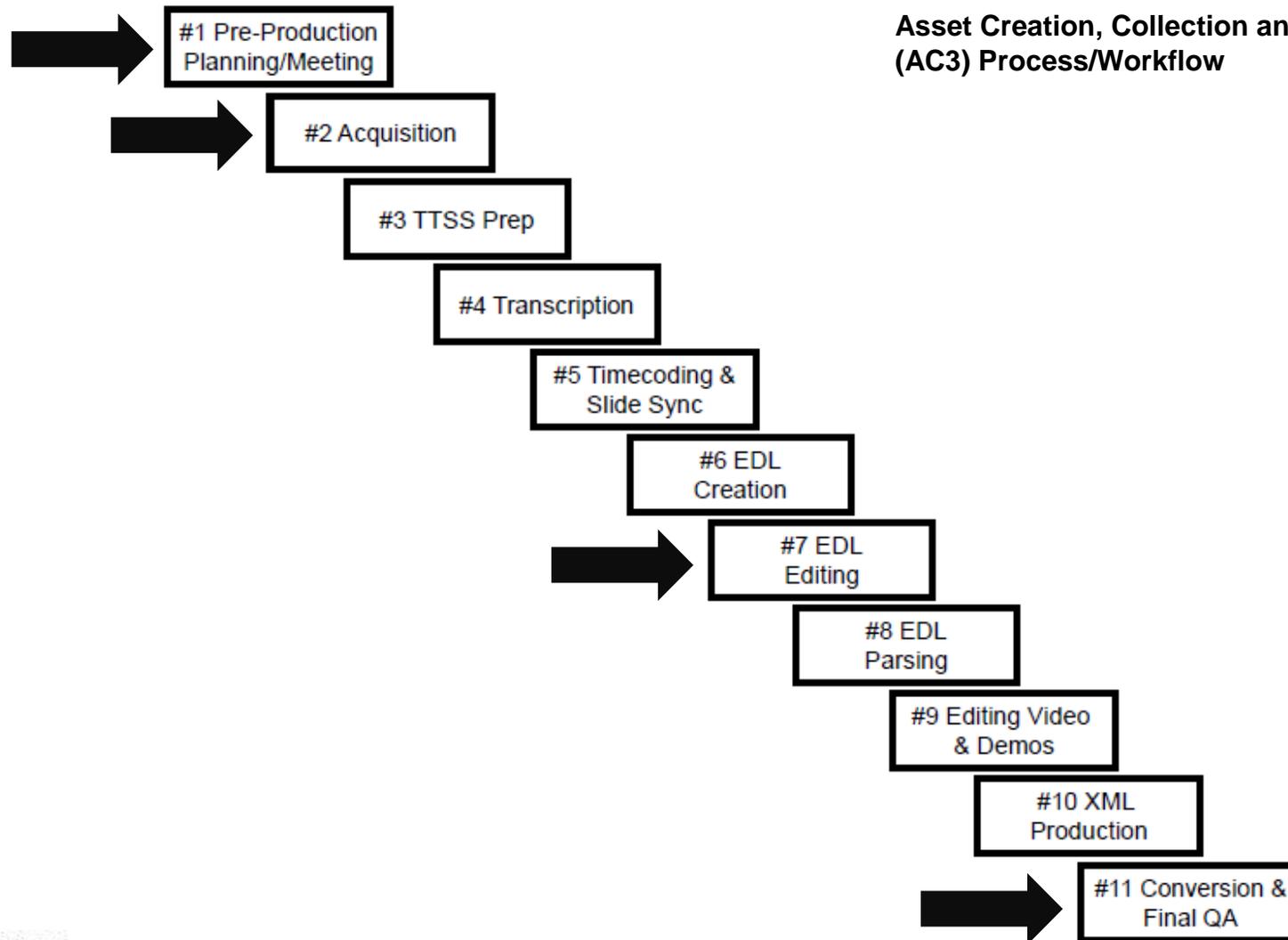


# VTE Content Items

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- Live video training
- Documents (e.g., Word, PDFs, etc.)
- Demonstrations
- Labs
- Links
- Training transcripts
- Assessments

# VTE Capture Process



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# Presenter Guidelines

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1. Wear solid colors/Avoid busy patterns.
2. Avoid sweaters.
3. Refer to past material as something specific, as opposed to a date and/or time.
4. Be prepared to provide a soft copy of the materials you presented.
5. Make yourself available.
6. Follow the instructions that are provided with the transcripts about the editing process.
7. Ideas about the chunking of your materials.

# Contacts and Questions

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**Other Questions and VTE Helpdesk**

[vte-support@cert.org](mailto:vte-support@cert.org)